It is applicable to people of today away to the fact that we too, are constantly erring and turning away from God; we, too, need correction and severe letters before we realise this goodness and never failing love.

3. St. Paul with Mark as his companion set out on his journey in Macedonia and Greece. It was during this the travells of the Apostle at this time that he came to Ephesus and delivered his historic speech to the olders there.

In it he meets their app arguments with others as convencing and discusses all their points raised.

He says that he once persecuted the christians, hated the Lord, walked every and did wrong. Then, one day on the road to Damascus he esoperienced a marvellous revelation. He fell on his face as one struck dead while a great light shone round about him \_ Then a voice came for 'Saul, Saul, why persecutest thou Me?' and he continues with his answer and the further words of the Lord.

Blind, he was led to an analy on the describes the receiving of his sight at the hands on Ananias and his commission and Subsequent of the knowledge of God.

Once a persecutor of the faith, he now explains his altered views, and a insists, his wholekearted intention to work out his purpose.

He Great Controversy in Solomon's Brch.

Picture the scene . A crowd of listeners, some curious, some malipiant, others genuinely interested, surjing into hearing of the speaker. There is a little hush, while the low murning of voices subsides and the people settle down in silence.

Somewhat aloof from the crowd the high priests and declors of the law scornfully waiting to hear this new speaker. A few Roman soldiers pather in the doorway. The sim catches their breastplates and helmets and is reflected on the face a tall man who has rison quietly and now stands looking quietly at the sea of uplimmed faces before him. Then he speaks,

he pauses... there is an uproar of chouts and angry voices, which only subsides as one of the high puests begins to argue with the speaker who watches him, a little gravely and silently.

He replies; once more there is an outcry, and the soldiers step forward to dispusse the crowd and establish peace..

St Paul speaks again; argument to argument, speech to speech, he wrestles on, until ... 'Away with him! Away with him! and the crowd surge out, the soldiers pushing their way through the mob and the speaker ceases to speak.

itself. Such a book is 'davengro' by George Borrow. One wants to follow it further. Then for the childrich style.

So, after many a sad reproach, they got into a heckney coach, and trutted down the street. I saw them go, one horse was blind, the tails of both hung down behind, their shoes were on their feet.

Rejected addresses.

cand one cannot wonder at its having been rejected! The remedy

for this is surely a refusal to descend to anything lower than the

commonplace rever despring to apply to childrenness to describe a

scene

the two last examples are the unpleasing or Dispusting style which shakespeare will furnish in Hamlet and Macheth \_ the eye turns with loathing from the page and one at once realizes the remedy for this \_ To describe vividly it is not necessary to be coarse.

Then, lastly, there is the High flown Slight closely allied to the first mentioned example - (the Flowery Style.)

Examples may be found in sentimental love songs and the like where it seems essential to each the brain for some metaphos more extraordinary than the last to adequately describe some simple object.

Sooner, "A primiose by the river's brim, Ayellow primiose was to him, Was this, and nothing more."

than Materate rainings over the same flower couched in such extra

"An exquiste thing. so frail, so fair
of yellow cation postal, scented rare
The true flower that a maid should wear - exc etc."

3. One sentence may be said to satisfy where an equally carefully chosen phrase does not. How is this?

'He was but a landscape painter

And a village maiden she.' satisfies whereas

"He was but a an umbrella maker

And a parlow maid was she is mor at all pleasing. How is this?

Because a perfect synonym suppolies all that is needed and an im
perfect synonym only offends the ear and taste.

December 13 9 1921.

Literature.

Eleanor P. Hughes

We now pass to a work of art that holds the eye spell bound and transficied. It is a Turner's landscape. Gazing at the deft colouring of the quiet waters, the masterly touches that give that calm skip it's underiable charm, and the foliage of the trees one realises the painters sperit showing itself in each spot of deseterous painting. It is in pictures such as this the individual character of the creator of it shows appears, and one can only contemplate and muse. Words are quite inadequate.

Let us walk a little farther through the gallery - here another subject catches the fancy and we pause before it. This is a portrait of a great man, an Emperor. Who can mistake the short, broad should ered form, the close cropped dark hair, and the searching eyes and the sweet firm mouth of Napoleon Bonaparte? And in this picture where every detail of personal appearance is depicted one gathers more from the canvas than from to a digen pages of a history book. The painter must have loved the original of this portrait a mere indifferent, paid painter never composed that masterpiece which we turn from with regret to stee seek other treasures. In the next we find a complete contrast to the former two subjects We have seen a landscape and a portrait and now we have a scene - a scene so irresustable that on we cannot pass by without Tenarking on it. 'Blind Man's Buff' is the title, our catalogues inform us. The painter is no genius. there is no marvellow handwork in the drawing of those capering, dodging figures and the homely air of the big room but there is a marvellous overacity and a care of little details that pleases and yet repets.

The china crocks on the shelf, the childrens but limbs and the clothes of the fine bondon to ladies who stand by watching are underivably attractuse, but there is a coarser element which mars the whole. The faces of some are so truly drawn as to be too much so and the rough vigous of the men and the bousterous glee of the girls does not altogether please the taste.

yerit is a clever except of a remarkable well thought out subject.

and one admires the painters skill undoubteding

Netting between davengro and Jaspa Petulengro. Is that you, Jasper?

It is , brother; and what are you doing on the heath tonight, when the wind is cold and even the Romany shivers?"

"Seeking consolation, Jasper in the silence - will you sit with me awhite?"

"Gladly, brother - trave you forgotten our lest neeting? when we forgot men

the torderland of water?"

"No, I have not forgotten it. Those were strange times, brother Jasper - "And have you remembered my counsels and the rides we had together?" before that fight?"

'No, truly - But the wind rises, brother - where are your parents now? 'over the seas, where they were sent, brother - I shall not see them again \_'Shall I see you again before long, fasteer?'

Who knows?'

Work

Work, to the average working man, means work - to the average overseer or foreman work means gain. This does not mean that the working man does not seek money or that the foreman does not know the live meaning of work but skeaking as a general thing it is true.

For the greater part of everyday work it is common sense that is required not imagination and quite rightly this is so; Because should the paid labourer spend his time creating by thought instead of by the hands there would not be much progress in the world.

And speaking of progress let me mention another point which specially applies to the men of today. Gain is what all eack and what many imagine they find. Gain is not found by striking, and speaking from a cart in some public equare. This rouses love for pain but nothing else. Rather is it found by steady work - dull work, perhaps - but work all the same. Men strike for higher wages - how is it possible to get what they want when the money is not there? It must be trought into the country by the labour of that country's subjects.

Seek work - not gain - for assuedly the first will of bring the latter with it - in time. "Something to do, something to love, and something to hope for."

is a wise saying, and applies to work as well as to other things.

3. The Bronté Sisters lived a curiously remote life at Haworth Parsonage on the bleak Yorkshire moors. Their father, their aunt, (who died before they were really grown up) and the week that their brother became constituted the household. They used to get up and help with the housework - (they had only one old cervant and a young girl) and arrange the breakfast - and then, at this meal they would discuss politics of the day - (Charlotte usual be sure to support her beloved Duke of Wellington!) and later go out for a walk on the nead of white when the constitute when for walk on the neads. In the evenings was their favourite time for writing their ctories when one would read her nanuscript about while the sesters critised it.

exchanged their cold northern home for the sunny couthern village of Hel store so irrivally pictured in North and South.

Here there was no icy wind, no bleak moors. Deep wooded lanes and lush meadows, fine woods and running streams delighted the eye. The people of the place were calm, contented; a triple olow perhaps, but none the less charming to Margaret Hale who could not bear to leave it for Millon the great manufacturing town in Lancashine among the cotton mills.

What a difference! The coaseless crash of machinery and smell of smoke contrasted with that south country village - the hurrying surly people who se lives were bound up in the cotton baks and the whire of wheels and cranks, side by side with

'Men and women with quiet eyes ... and dithe children lovelier than a dream.'

What a difference!

diffe in the one place ran in the other walked - while in that grims

Notheren home of the Bronte sisters it erept; waiting watching to

midway between the two.

December 13th 1921.

History.

Eleanor P. Hyphes.

The British Empire in the 19th Century. It is perhaps best to consider this subject after the year 1815 when the Congress of Vienna met. In 1814, on the field of Waterloo, Ingland both learns and taught some unjoyettable lessons. From henceforth she was a formidable power to contend with, a fact of which Europe was uncomfortably aware. Had she not put to rout the nighty imperor Napoleon? Vanguished the hitherto unvanguished? AV home things were naturally unsettled though the war-sick country was tired our and ready for a long rest. Soit was that England found time for meditation and thought for her colonies overseas Great thinkers arose, and a very little study suffices to convince the reader how much we now owe to men of the Victorian Era. Nor were their energies confined to the mother country. Everywhere imperovements were found and it was natural to wish that the colonies might receive the advantages we already possessed dooking track from today when the Great War has passed us and another century is well on its way one sees the smouldering ashes under it all, the dry trider so perilously near the flame and one realises the unrest, the petty guarrels and rational differences among the nations of Surope all pointed to the creinted end that must come sometime, though the 19" century did not see it's advent

Yet, in spite of all this the British Empire went on its way, steadily, slowly, but surely. It was not a rapid propress by conquest, invasion, and or bullying and worrying smaller tempdoms. But it was a just growth in a right direction. a watchful course, and carried out by clever brains. So the 19" century saw a might nation pursue its history, historic path in the world—would that the twentieth century might have the same said of it! It is to the England of today we look to for the answer.

3. It is possible to trace out the British claims to type beyet from the Battle of the Nile, and as one reads of the occupation of that country from that day to this through the histories of such men as gordon,

and Kitchener one realises the firmmense importance of our hold on Egypt and the Egyptian peoples. I suppose one might say that the cause that led to the British occup. ation of Eygpt was originally brought about by the Napoleonic Wass, for it was from the date of the Battle of the Nile we obtained our first footing in the land. Since then we have never been withour a square mile of the country which we mught definitely call our own. And when the Arabs beseged that hero at Karlaum and intreved the cause with which an Englishman faced death they realer saw, though they killed him before they did so, how Brilish Occupation was inevitable and lowed before the yoke. Such minds as Kitcheners kept the reins held tyhtly and yet without that sense of oppression fall by a country under subjection. So our occupation of Egypt really dated from early in the Nineteens century though it was not until neaver it and that toughish rule became law there

2. The Dual Monarchy, as it was called consisted of two separate and historical houses each having a claim to the edustrian throe throne, and therefore, might be said to rule equally.

It was shattered in 1914 when, on July 23rd the D grand Duke Irang Ferdinand and his consort the Duckess of Hohenburg were murdered by two Bosnian Serbs. He was the legitimate heir to the Dual Monarchy and every nation filled the old Emperor Hams Joseph how left alone; But it was a perfectly unwarrantable act of Austria's to weak her were vergeance on the poor little state of Serbia as she did do five days later.

The war saw the death of the old mon and thus the Dual Monarchy was shattered.

December 14 1921.

Economics.

Eleanor P. Hughes.

VI and V. 3.

Three scenes from my boyhood.

(a) Our drawing room where I passed a good many evening hours looked out on to the garden. It was a pleasant apartment where with which I associate happy memories.

I give below a sketch authine of a typical evening at home in my boy

my father seated by the round central table and with the lampo placed conveniently near his elbow, read about to my mother and me this reading about is always connected with that room in my mind for it was as usual as it was a delightful feature of the hours spent in it.

my mother sat listening, perhaps sewing, or merely watching my fathers face as he read some fine passage:

fathers face as he read some fine passage: And I, so in a little chair, a small table before me, drank in the learning or amused myself with my own children pursuits from the window recess.

Such is a brief outline of an evening at home.

(b) When travelling about my father was wont to hire a coach and we thus covered a considerable number of miles each day. This old family, coach 'as it may well be called, deserves notice and I would put before my reader as impression of its appearance.

It was very large and probably having originally been the property of some wealthy man, still carried his war of arms on the door panels. Now it had descended to a coach owner who let out the interesting relie on hire.

Inside there was ample room for a family consisting of more members than our's did. My parents sat facing the horses on a broad cushioned Seat and I had a little box seat before them from which I used to imagine I was driving the steeds myself. There were curtains to the windows which were so placed as to afford a generous view of the country we passed through, and all manner of smaller conveniences in the way of racks, pockets, b) (continued.) It was in this manner we traversed the country and a very pleasant way, too, though the waits at the hostels for charging of horses were apt to be tedwiss. Though when my father had the arrangement of these details a messenger was often sent before us to make sure of the fresh animals being ready.

(c) the last scene I shall describe is very different.

My first real' view of the Alps.
We were travelling abroad, my parents and I and eofar I had seen nothing which had aroused my whement admiration; so that

the sensation was all the more intense when, the carriage lagily wending its way up the mountain road to our hostel, I, who had wending its way up the mountain road to our hostel, I, who had rearly fallen asless, shorted up and gazed before me, entranced. Below, on the plains, I suppose I had been too occupied or too weary, probably both, to notice the scenery; but up here, on the mountain road, winding along the border of a precupice the full beauty of the scene burst upon me.

Snow covered clopes touched with fire, the intense blue of the Alpine sky, and the cummit of Mont Blanc towering over all.

Scenery I know I never could forget - Scenery all should see.

Temperance as a general principle.

The subject considered as a whole is of immense importance. Partly, abstraining from only.

Ithink, because temperance is so often applied to excess of drink, and is not sufficiently as thought of in connection with other matters.

Temperance in life is a big subject and one which must necessarily have many cide issues and channels.

As a principle one may take the following example to illustrate the

content hand; con many endured with all good pifts - money, position, good looks, a charming disposition, and above all a heart is left alone to make his own path through the world.

now that man will find it the most difficult thing in the world to make temperance his ruling principle.

buery where he goes he will be beset by beggars - and false freids who will obligingly offer to help him spend his fortune and

advise his goings out and comings in.

If that man can resist all this and teep

'a virgin heart in work and will'

he will have gained temperauce for his ruling quality. If not......

So Temperauce should be thought of more as a (ruling) general principle than as a quality only one among many; food it concerns all

virtues and is ready to correct all vices. 1. Some conficting theories as to the nature of the State. The nature of the State today is rather like a very involved math. ematical problem. Even when me has worked out a posseble solution one cannot find a cuitable method of proving the result and the book of answers has been mislaid. One man will come forward with an infeniously evolved idea which has he thinks can set all doubt on the matter at rest. dook, he says, "This is what is needed to put things straight. The bryland of today is a laryled web - I can so put the cords right and undo the knots \_ Do this and that; and somehow a good many people follow his arguments and uphold his judgeneut. But then another man comes along and puts an even more convined theory before them, and he fains more followers than the first man. So it goes on . and the nature of the state is a very said and troubled kind. Pulled, and turisted, painted and camouflaged there is little left of what it originally was - before men became owner there were such a things as theories, and realised that the nature of the State excisted.

December 14 ! 1921.

Geography.

Eleanor P. Hughes

The Rise of the British Navy.

V. 1. It is to the Elizabethan age that we owe the real rise of our Navy, though the days of Henry VIII afford evidence of waking interest in the matter. How curious it is to look back on those of that period and see the wooden ships, the rough, undisciplined seamen, and the weak cannon that were then such marvells of Naval progress in longlish eyes. How curious too, to note the slumbering passion for adventure aroused and never laid to rest again!

"Ye mariners of bryland

Who guard our nature seas

Whose glag has braved - a thousand years the battle and the breeze."

A thousand years! during those conturies our Navy has worked a waited, toiled and perjected till looday when we are acknowledged to be the greatest see power in the world.

And it is those ancient mariners towhow we should raise our hats and reverence with all homage. It is not always the gallant officers, the Admirals and the Capkains, to whom the plany should begiven. The standy sailors— who obey orders, & stick together, and are often as brave and courageous and who pushem the rise of the Navy till it became what it is now.

2. The five continents, Europe, Africa, Asia, America, and Australia compose the land of our globe, and in them an infinite variety of shapes and draf surface as is to be found.

In Europe there are no remarkable mountain ranges, beyond the Ryrenness es are found in Asia though one finds one as or two remarkable summits such as Snowdon and the Scotch Bens, Etna, & Vesuvius.

But passing Eastward over Asia the Ural Mountains stretching almost due North and South claim attention, and farther on the Hymatayas Himalayas; Mount Everest, their highest peak, and the broken jagged to land farther North afford a contrast.

In Africa, the deserts lie and great hills are unknown and Australia, too, cannot show more than a few moderate heights. It is

chiefly rich pasture and & plains of rolling & grass land.

But America - Land of the Rockies and the wild mountain passes.

The miles-long Andes in the Southern continent and the wonderful scenery of the North!

Here indeed Nature has played freaks with the scenery too country and produces marvels of beauty and curiosty.

The crevasses and the split gages, the forests and the stronge Indian haunts make this continent truly marvellous.

4 For surveying in a simple manner all that is needed is a prismatic compass or a plane table.

The former is an ordinary compass with two sights in addition . (7i91)

PRISMATIC COMPASS

and a prism instead of an ordinary glass.

The methody it is used is as follows;
By looking through the first of sight and therefore through the second as well, for they are opposite one another, an object in fixed upon.

(The compass should, of course, be held perfectly level.) By means of the prism a the reading on the compass card is reflected to the surveyor's eye and he notes that the object his so many degrees to the right or to the left of the compass north.

noting on his paper this fact he proceeds to another point and carries out the same operation. From these observances it is no difficult matter to draw the map required.

(6) By planting the click upright and at right angles to the ground one gots the top of the click on a level with one's eye. (It will probably he ness necessary to kened down)

Then by holding the poolsule vertically as a continuation of the stick the height of the tree is found, by adding the height ascertained by the footsule to the number of feet the stick represents.

December 14", 1921.

Geology.

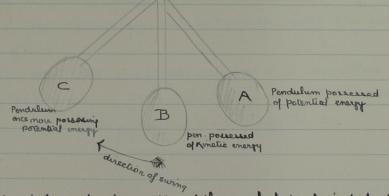
Eleanor P. Hyphes

And there are different ways in which work is done. By force, by natural power, or by strain.

So perhaps it is test to mention the two different kinds of energy at once. They are Potential energy and Kinetic energy.

The last named dervies its' title from the word (kines, I move) for it is the energy of motion. Examples may be found in a flying buller or a hail stone whizzing through space.

And the former species, or Potential energy is that which receives its property from pressure or of strain and sudden release. An illustration (a very common one it is true,) is that of a clock pendulum. (See Fig.)



At A the pendulum by the motion of the so clock is strained by possessed of trinetic energy energy - released it flies forward momentarity possessed of trinetic energy (B) Then, rising on the farther side it is once more producibly worked by potential energy until it is released once more (C.)
There are many more examples. A driven golf ball, a piston worked by machinery - all point out the different species of energy.
But it is useful to remember that there are just these two main divisions Potential and Kinetic energy.

"I did not dig it from the ground or pluck it from a tree,
But curious insects made it, who lived in the sea? - (Ryhme)
The wonderful forests of the sea, of branched coral, rose, while, or yellow,
are made by nimite insects, perfected by term the motion of the waves

geology. worn away, or snapped off and carried in fa fragments to the shore.



SPRAY OF CORAL

On examining a spray of coral (as alove,) one observes that it is punctived by numerous minute holes and tubes. These are made for tunnels and passages for the use of the tiny insects who work in it. A portion of the coral is often much coarser than the rest, owing to the fact that the materials are not so finely eighted and prepared. By bring & brilding of great exercises of coral as large as trees are formed in the course of time.

Buenjone has seen little coral necklaces and it is marvellous that each tiny trains or fragment so beat beautifully finished and cut should have been made originally by tiny dwellers of the sea.

December 15 1921.

Botany.

Eleanor P. Hughes.

Some inter-relations of plants and animals.

The interrelations of plants and animals form a complicated study, and it is exceedingly interesting to follow out the intricate path of this subject Animals, as we know, prey upon one another in some cases, but for the most part content themselves with using the vegetable world as a source of nutrition. When the animal dies, however, and falls into decay the lower forms of plant life, noticeably the fungi and parasites of various kinds, fasten themselves to the decomposing matter and absorb their food from it. Again, they too, die and compose valuable rotting vegetable manure for the higher classes of plants, life which, in their turn are used by the animal kingdom, and so the ever changing whirl of life goes on. As rejarding another kind of relation between the two great dursions; Many plants affect the habits and propensities of their superior fellow creat. wres. All have heard or perhaps seen the Sundews and orchids calify flies and minute insects, nasticaling and finally swallowing the ling things, helpless in the jaws of a monster; all too, have seen how a parasite attacking a cereal will eventually kill it if allowed its way, and witnessed the extraordinarily distructive powers of landweed and wy.

the zoophytes, the lowest form of a vegetable life is said to be on the borderland between the aimal & vegetable worlds; for, affecting the habits of a plant it has is possessed of habits which relegate it to the other division of the life. who

8. For some time past I have been collecting and pressing wild flowers and funci spores, and have mounted and named them all now. The flowers I pressed between blotting paper and as rapidly as possible, and to preserve the colour, and when they were absolutely dry I prepared to mount them.

It is curious the way. flowers lade their colour in pressing. Blue flowers keep their original colouring remarkably well and my specimens of milkwort, nettle-leaved bell-flower, and germander speedwell though gathered nearly two years ago retain their a wonderful blues

was cont to a monastory.

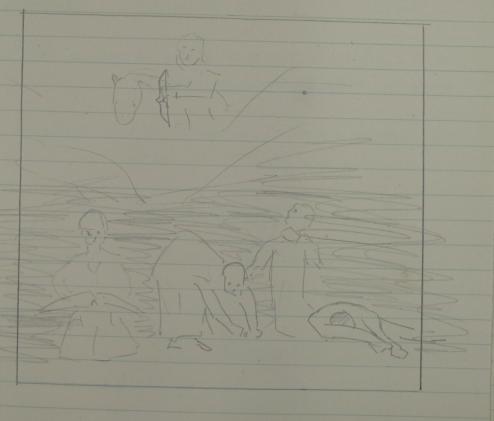
But it was no use - the telent was there and could not be suppressed and the Prior sent him out to become a painter.

The Medici employed him and it was to them he was always writing for money. Thowe not a farthing in the world, and have been three day without giding! and his charming ways brought him numerous friends.

He even forged a cheque for 40 floring at one time and was deprived of his habit and forbidden to call himself a mank.

His lovable disposition carried him gaily through life, though he was often without a penny, always in debt, and a wonderful power of excusing himself.

this paintings were many and various. It is slight clean and simple and the perspective good. But as he was always in a hurry he was apt to be careless and so there is an extraordinary contrast between his pictures steedied between 1460-70, lamented by all who knew him; Fra dippo Lippi, the gay monk who became a great artist.



signiber 16:1921. Arithmetic. Eleanor. P. Hypes The True Present worth of \$100 due in 41 months : £4 100 x 341 , £ 34100. 0. 0. : True Bresent Worth : Answer 2. The Simple Interest on of 100 = 12/2 and amounts to that in 1 yr ·." " [236-6-8:f17.4.6 " " - - ? Reduce L 17. 4. 6 to shillings 344/6 Also Reduce L2. 10. 0 to shillings 50/-Divide 344/- by 50/- - 6...44 over .. The simple Int. on £236. 6. 8 will amt to fig. 4.6 in · 6 yrs. 10 months 2 weeks · Answer. muestiment at £ 100 brings in £10 (+ 1/8) = £10/6 :. " 211 5/6 " " 211 5/6 X 10 1/8 - $\frac{1698}{800} \times \frac{81}{8} = \frac{137123}{6400}$ , £21. 8. 0 and investment at \$100 longs in \$2 (+/6): 2/6  $\frac{369}{400} \times \frac{17}{8} = \frac{6263}{3200} = £1.13.0.$ Investment of 10% at 2115% is the better = Answer.

ember 16th 1921. French.

Eleanor P. Stuphes. 2. Un jour, un petit garçon il entre un magasin des jaujoux. Le avec un sourire amiable inquirat; Lu'est ce vous voulez?" Gaston, montrait sa reticule plein d'argent, repondit; du'est ce su'avez vous Des joli, des grands tomtoms, des epées eplendides, des rifles magnif. ignes, repondit le propriétaire. Vous avez de choisir. Gaston examinat un nombre de choses, puis il inquirat. 'Oh non, monsieur, nous avons, en addition, un quantité de ... des belles raequets et un asortment plus grand des (tops.) Gaston commencat d'examiner un chose et l'autre, mais il trouvat tous les chases trop chèrs. Il aimat beaucoup de joyoux explendide, mais il trouvat impossible à achter si beaucoup d'argent. Ayant (prie') en vain pendant un quart d'heure à persuader son jeune client, le propriétaire perd son palience et inquirat à au petit mé chant de choiser interneut, parce su'il y a d'autre client attendat. Peus gaston inquirat 'Avez vous des nambles ?' 'mais oui', repondit l'homme. 'Ih him, des marbles pour un sou.

Le gendre de M. Poirier

de gendre de M. Poirier, un vielle regatiateur, est un jeune homme qui a marié une jeune prensionnaire, mais il ne l'aime pas ble est la fille de M. Poinier.

de Duc de mont maryan un ami de gaston retournat du guerre et il visitat son comarade à l'hotel de M. Poirier.

da conte recontrat de Gastor (learning) à aimer 8a femme siand elle as his puni en l'exposant au père.

Quand il répent il dit su'il enlisterat avec le Duc, mais Madame le Marquise, sa fenme le prie qu'il re sort pas

Pris, gaston inquirat à de son piese P le pere de la femme qu'il le dannet un place dans son bureau. Il ne le depise plus, il a aime sa finime.

1. A duand un adjectif agrée avec la verbe il faut recessaire que l'adjectif aurait le même nombre et le mêmbre personne que la noun et la verbe. (l'Example premier; Il dit generalment, (l'adjectif agrée avec la verbe et la noun.)

des participles serait subjecté à les mêmes conditions. Quand la le sujet est masculine le pasticiple passé agrée. (l'Example seconds els asser étaient arrivés. de mot arrivé est masculin et plural.)

El est le même chose que repard au pres participle présent.

El faud recessaire qu'il agrée avec la nour et la verbe.

19p1cmc/6/3

Class III age 13.2. Geography. Veronica Hue Williams

R Describe a visit to London.

A. Well dears, have you been good this week?" WE WETE not at all nervous as to Miss Smith's, our gover-· ness, amower, as we had been exra specially good this week in view of a promised excursion to London. Miss Smith duly praised our behavior, smiles, con-- gratulations, gettings ready, hurry, 4, we were in the train on the way to clondon... Oh! what crowds there are, I how people jostle! a scramble for a bus + we are on our way to visit the Tower of London. What great thick stone walls it has. So safe & strong a rather frightening when you think of being shut up invoide. We went up one of the narrow winding stairs & visited several of the glone chambers. Here is one where the poor, young Lord Grey tode has scratched on the walls of his cell Jame, Jame the name of his queenly sweetheart. It would take too long to describe all the many things we saw there, amongst which was the Historical Igaitors gate that the young Princers Elizabeth was so indignant at having to Enter from, "I am no troilor she eried, but the will of stubborn Harry had to be, then Herr Lands as true a subject as ever put foot

2 2 166 61 29 29 20 46 4 3

Geography. Veronica Hus Williams 141 age 13.2 on British soil Elizabeth said defrantly, when she found it was useless to resist. She was one of many, but a fortuntate one. Marry ejone in, but few, very few, have come out again. Where shall we go next unked someone, To the British Museum we cried the things that inter ested us most were in the last of the traver toot Egyptian rooms on the ground floor. We were thrilled with the mummies. One, belonging to a little girl has a wreath on it Perhaps the last thing put on by her sorrowing mother. Many, many others, great men, children, princes, princesses. No room for me to describe them all. The photographs too. The huge pyramids at least 60 ft higher than S' Pauls lattredral. The huge, mammoth tombs · of the Egyptian kings We can imagine hundreds of, not, sweating Egyptian men, working to complete the tout that this king should gest in undesturbed (as they thought) for all time. Then we went home again with more tenowledge than we started out with. Nesd time mother promised we will go to Westminster.

2. Give a may of Cornwall. What do you to now of its mores, its mines, its fisheries

18 gps. 10 m/h, y
2.5.

N.S. (15 0 V)

Give some idea of the general relief of the continents.

The Earth & surface Hises above the sea in a kind of semetrical juttings from a ting around the North Pole. It will be noticed that the Northern boundaries of Europe, asia a america almost touch a form a Hing. From this Hing they just down wards going towards a point in a NW and SE direction. If the shapes of the three different partitions of the courth were comparied, they would be found to be Jainly alike, Taking North & South america as the pattern, for it is for the most regular, I we should find that its general tendency is to have a long coast Pine in the north of to tapen down eventually es. to a point in S South america. Comparting this with Europe of Osia we find the same lendercy, & the similarity between africa & Samerica is very great. Now, to Turn to the mountains of plains. The striking mountain feaulure of Na Samerica, is the Righ Hange Hunning from It to South not far from the Hestern Coast Pine, from the Rocky Mountains is the north to the alleghanies in the South. clearly every country or continent has some long system of mountains dividing it almost into two pasts, or not necessary two equal pasts either. In Europe the Hanges tun from the Concadus to through Southern germany + austria, through Switzerland where the mountains are at their Righest, down the long peninsular of I Taly I'll they plunge, eventually into the sea.

acres 2

iaplemelles iaptemelles

In asia, they start in the North East, near Korea, Hun in a south-westerly direction till the various smaller ranges collect in a vast long in Thibet. From they the system runs both south I west, spreading itself out in northern India & surming in a sytematic chain towards Persia. Ever small Scardinavia Ras the same kind of mountain system, on a small scale. To return again to america, we find that this Western Hange is not the only one; on the East coast two there is no unconsiderable system in which the Blue Hountains take their posit. a paraltel in Europe is not difficult to find. The Northern boundary of the Continent, as we are accustomed to eall it, has, also a Hange of mountains very near its coastfine The andennes of France & Belgium, the mountains of Northern germany & Denmark, all from part of the range, which also repeates itself even in small countries, such as Italy, for example. Between these two sytems of mountains, &in both continents, lie broad or fertife plains watered by the Hiwests which found their bir the high mountains around. The necessity of these Hanges may be seek best by their absense in Offrica, , the Sandy Desert which is useless for their want. Not only , do these mountains give nivers to the plains below, but they soften the dimates & boulk the winds. Closely akin in their work to those ranges are the label Pands, the chief of which we situated in Thibet & - Switzerland. They are, in Pull plains on a kigh Pevel" al though in some places such as Seal Bard, they have become cut up by river garges as to be almost un xecognisable as blefards.

classI N.S. (15.0) Describe the Mise of Brilish Navy Great Britain has always been famous for her navy ,4 for many continies had held supremecy over the high seas. The gradual acquisition of this great source of power, is, in itself, are interesting study. When the kings of England Poist Healized the necessity of ships to good the island on which we live, the plan they fighted whom was this, several notified Deapart towns were to provide ships of sailors to mon them, in retwin for certain municipal privileges. These ports were called the Cing Ports, but when the ships were so enaugened as to become too big or two many for the Cing Ports, others, among which were Hythe of Folkeston, were added acquired the term of The first really great triumph of own sea power in a fight, was in that unexpected victory over the amade in Elizabeth's Meign, I since that Foot, out nowal prestige has been rapidly on the increase. Nelson's fleet was well manned & well equiped & onch again a shattering defeat was infficted on a foreign foe Reforms have been coveried out, a although the navy is Pargely controlled by the Board of adminalty the Captain of a ship has a great responsibility placed upor , or to see how bravely this charge is carried, we have only to look back upon the affair of the Chesapeake.

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ome from North,

Geography

A. B. (11/2 IA).

Describe a visit to london

London is a county in itself it contains millions of vishabilism - ants but a lot of the people we see come for from north, bouth, last, a west of this great city.

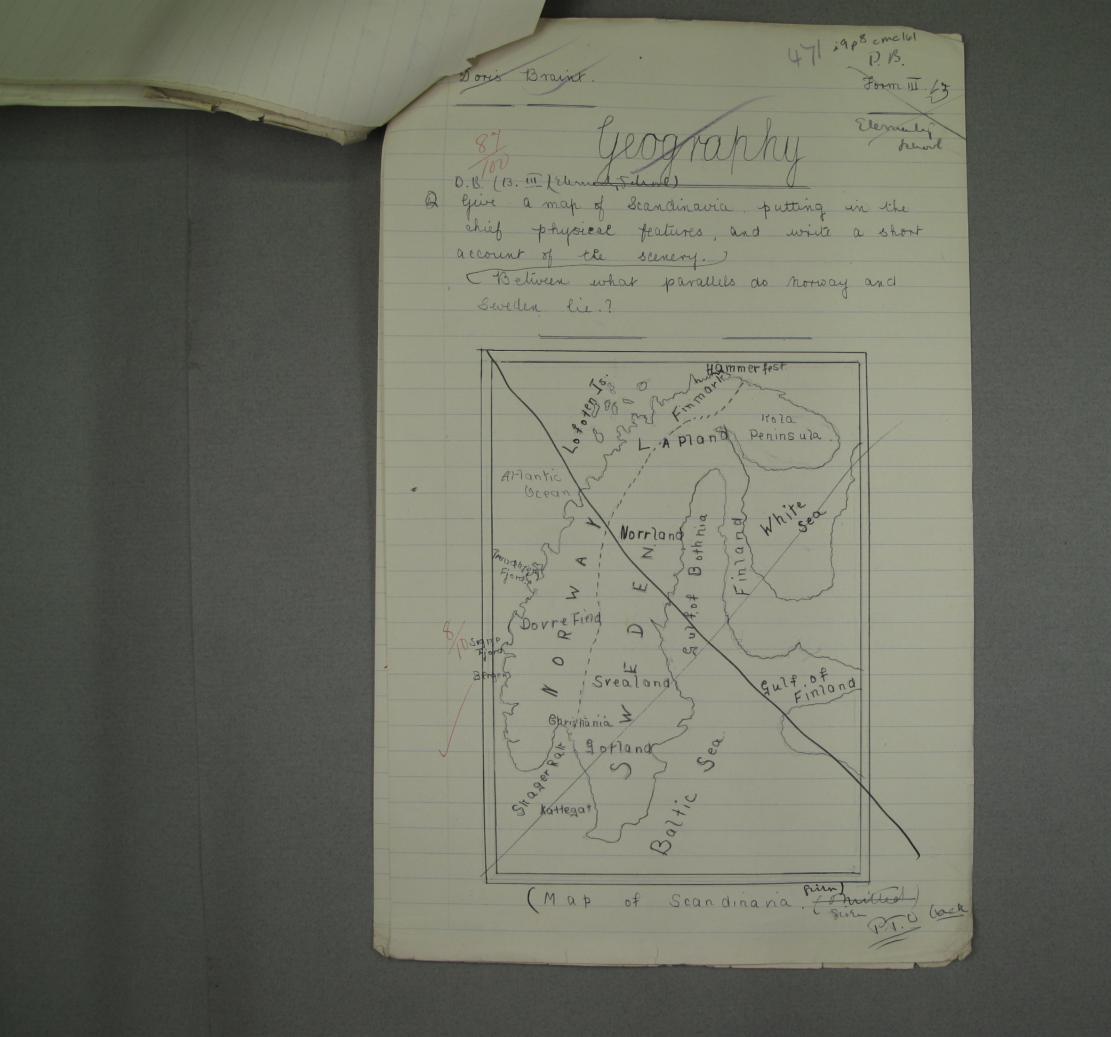
There, is a country man bewildered, a does not know his place until he is pushed wito it, there are sign posts, keep to the right, or perhaps to the left, a very busy part of london is Cheapside.

St Paul's is in the city we see its great round dome, unlike any other English building, the old St Paul's was buint in the terrible fire of 1666, & then Sir Christopher When who was an architect, was given the work of rebuilding it, & he made it as we now see it, he had been to staly & had partly copied some of the domes there.

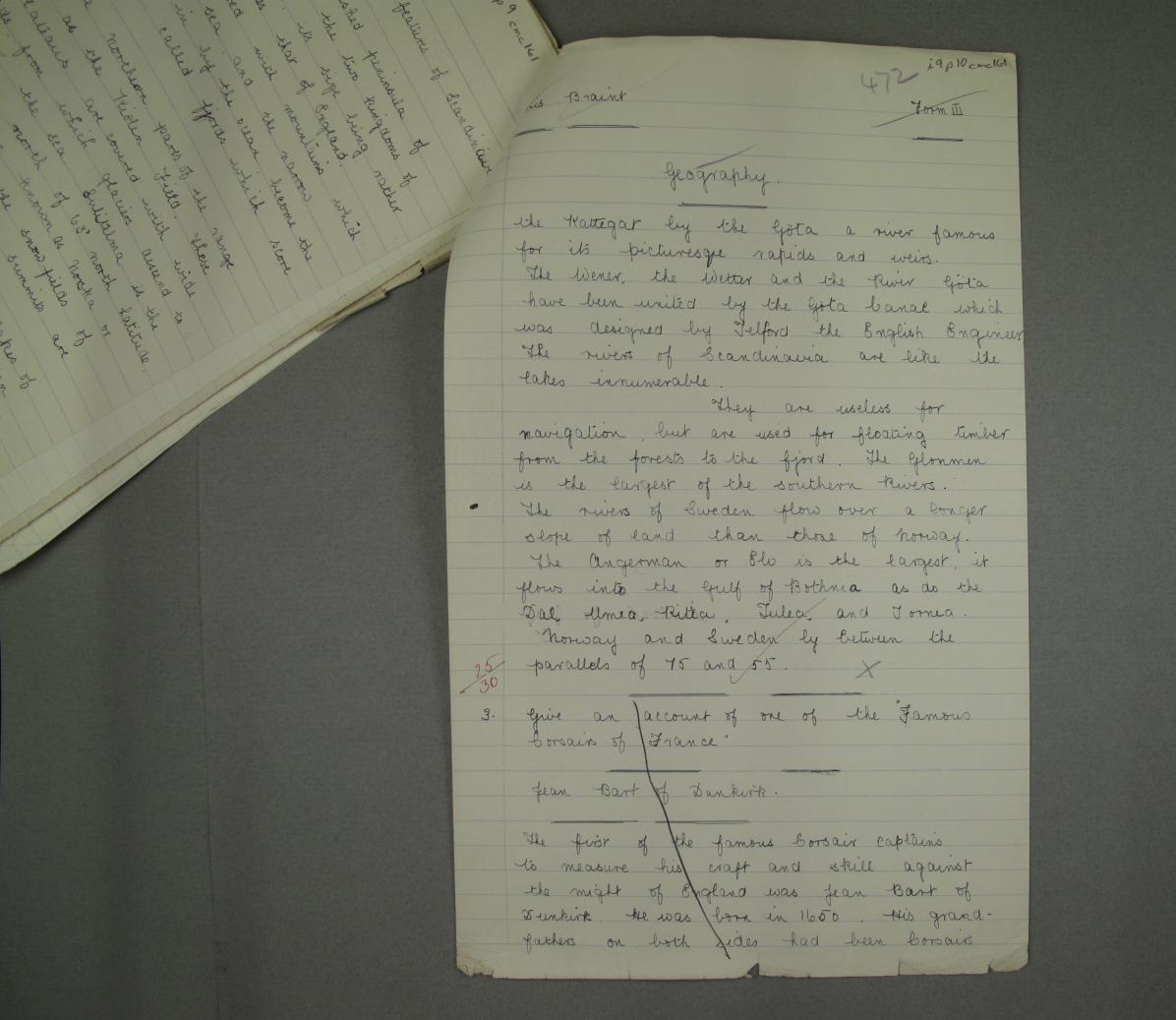
you we pass from the city ago to where westminster stands, it is a very different hind of architecture with thin spires all our kings aqueens are busined here, with one exceptions, the boy king laward II, at one time it was situated on a little isle called thorney take a surrowed by beautiful frests but all these were cut down, we can walts up its broad ailes a see the grower of many kings a queens, I then, side by side our two heroes, helson, a wellington. Pith a fore are also side by side, they were enemies in Parliement all the poets have a corner to themselves a many of our queat poets were buried here.

how we can go a see the thint, where all the money is made in this street we can hardly see the tops of the houses, the walk are so high, this is where the merchants store their goods, people are crying for room, but there is no room everything is packed so full.

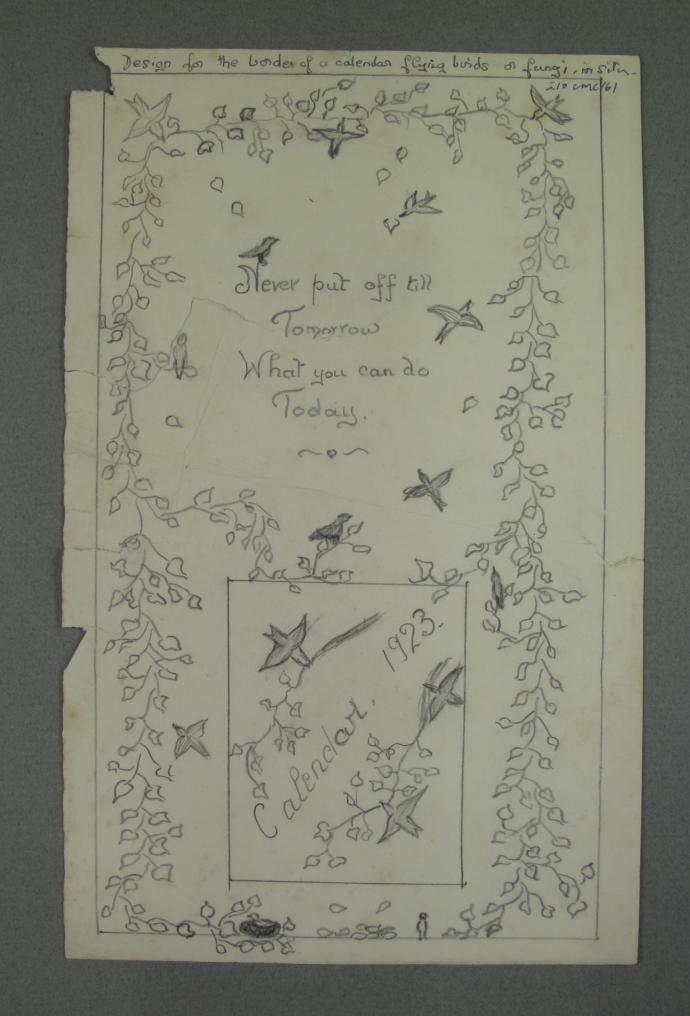
We can now go to the tower of London, the place where Royal



igp 9 cmcles a. the Scenery. The Scenery or natural features of Scandiniavia are very picturesque. The large ocean washed peninsula of Scandinavia includes the two pringdoms of norway and Sweden, it's size being rather more than five lines that of England. Norway is covered with mountains which about upon the sea and the narrow valleys broken in by the ocean become the curious inlets called fjords which score the coast. The northern parts of the range are known as the Triolen Field. These northern plateaus are covered with wide snow-fields from which glaciers descend to the edge of the sea. Sulitelma is the highest summit north of 63° north katitude South is the range known as norska or Downe Field . Here are the snow fields of fustedal, and the highest summits are Galdhöpping and Snachatten The takes of horway are quite innumerable. Sweden has but few high mountains, where the land gradually rises from the lymb of Bothnia to the Kiden Mounts. The three great lakes Wener, machan and Heilmar, occupy the lowest parts of Sweden Like norway Sweden abounds in lakes, some of them being more like inland seas for sine; The largest of these, Lake wener, as large as northumberland is emptied into



before him. "The little boy heard many a tale of their brave deeds and resolve to follow in other steps. this mother tried hard to win him to some other play of life but she failed and before the was 12 Jean Bart had embarked on a punkirk smuggler to take his first less ons in the eraft of Seamanship. When Jonly 15 he became mate of his wessel. I little later Chance enabled him to do separce to the famous Dutch admiral De/Ruyler, and he took part as a volenteer/on his flagship in the battle of the 20th / of July 1666. For the near fux years fear Bark served in the Dutch Havy. But in 1672 France declared war on the Dutch, and he came back to serge his country. The was guen command of his first ship in 1674, it farmed but two guns and a crew of 36, and with her he encised against the Butch Fraders in the North Sea and the bhannel and took six priges in as many months. In 1676 the attacked a fleet of fishing smarks, convoyed by a Dutch frigate that carried 32 guns to his 24, and after a fince action he took her and brought ther and the smacks as pringes to Dunkerk. Other gallant areas he aid still against the Dutch, until his fame reached the langs, cars, and he received a commission as a lieutenant in the navy. In 1689 he



natural History 3.6 Ti. 19, BC(72.IA) What so you know about he woodpecker? or & tell about there old "hugger" and some phis Rlations A When Tonny Sprite was walking through he woods le saw à hole in a tree, and sometting bright msise it which Said Hullo! " Tommy Smith Saw That it was a wood packer. Hello laid Tommy Smith and the bood prcher sais Hello again It was a family big bird Tommey Smite Thought and it was called the green woodprekers and they have in holes in he trees at least they nest there. Then the boarperter said lovered you like to ask me questions? Tommy Smite Said "I want to know how you get useds Hen hie bood procher went I own the tree wound a round it and said " lo ones you like to See my lovely Lungue? Prevently she came upon a caterpillar that came her tongue a took I sait was dead in a Jecond So Tommey Smith thought. Then the boospacker sais dis you see my Longue, is it it wonderful? Yes it is "Rally " said Tunney Smith. I thought you would Say hat Sais the woodpecker, Every hody Says I have a wonderful sorgue, at least I think they So," and I think they augut to put in Tommy Smith. " Yes So So I "Said the headp scher, They Should say so. But her Wood pecher, I'd like to See how you jeed your children oh is that all " Sand another voice, which of source was his boadpecker. "I will soon show you how " There was an auto nest quite near So hus woodpecker land, I'll own show you. To She went to the ants nest and began hurrowing

Illpzcmc161 with her bill. When she came to the auti se Swallowed wome, and then flow away to her balues When sten de raches to hole where her nest was she brought up from her incides
the ants and gave them so her children.
There de said, that is how I feed my children
how do you see? Said the bood pecker. Yes I
kally so said Towney. In then the two
lood peckers flew away.

Illp3cmc161

1. Describe & illustrate the processes of digestion

A. When we swallow our food it passes through the down the throat into the food pipe and thence into the stomach, From there it passes on through the rest of the food pipe and into the rectum.

The food pipe is very long, but after the stomach it coils & round and round. This, of course, makes the process of digestion very slow. The food pipe is lined with a velvety membrane, and myriads of liny blood vessels. As the food passes down it, it (the food) gels condensed and churned up into a thick paste which is termed chyme.

it enters the stomach, were it it undergoes another churning process. On passing out of the stomach it has to pass through a small ring of muscle called the pylorus which prevents and lumps or hard substances getting through. The food is now called "chile Asit goes on through the rest of the food pipe, the blood vessels, and tiny cells, absorb into themselves, all that is good in the food, and allow the rest to pass on. At length it reaches the rectum where it awaits till it is disposed of. The process of digestion takes about

3 hours.

( dispans)

stomach

to this day. Pinks and reds are disappointing and I cannot keep one experimen I have that could be called either shade! yellow flowers, vetches, bottercups, and So celandines are splendid and so are some manues and purples. But orchids! Who would dream that those eocquisite unid blown things could look so terrible! Brown, firthered, shrwelled! The only good point is that they have kept their shape well, and most of the characteristics are still Having pressed the flowers I come to mounting them. On a sheet of paper the plant is laid, and, with a full brush of Stickphast a white photographic paste, I coughed the whole thing Before this the plant must be carefully arranged so that it appears as it would be growing naturally. Isaves must be spread out and smooted, tendrils, (if any) adjusted and the petals smoothed & put straight. Then, the whole the plant is lifted and deposited on a white card of I have found fashion plate boards excellent) Superflow paste urfeed away and the whole peur away to dry FINISHEDCARD (F132) (Fig 1) PASTE BRUSH PLANT\_ DUSTER PAPER (Glue should never be used - It destroys the plants.) Rinnate leaves such as the umbelliferous tribe possess can be arranged with a pin. But the great thing is to make the flowers look natural and as if they were are growing On large boards one can mount five or size Reparate species and print the names beside each one (a) It Plants are durded into various classes. Annuals, or those which spring from seed, and, after rapid growth, flower and die in one years time. (Poppies, mynonette.) Burmals, or those which during during their first year only produce a law tift of leaves and flower the following year. (mullein.)

ilps could 8.

caried perennials, which flower for many years withour dying though they frequently assume a dormant condition during the winter (roses, bulls) For annuals it is necessary they should die off after their flowering, because, having expended all their strength on rapid growth & bud production they are exhausted and must needs expire. Buennials and perennials, however, gather sh food and internal strength during during the cold months when sap runs slowly and life is at it's lowest ebb; so they accumulate nourishment to be prepar for the next years work.

Plants are known to effect many habits of growth and the two most opposite manners are those of creeping & erect species. Exect the latter class are independent and by rigidity or general firmness attain an upward aspect requiring no other help. Creeping plant, on the other hand, need support which they will obtain by clinging or twining themselves round their stronger companuns or a suitable at object.

Further kinds prostrate their stems on the ground and only saise

short stems at intervals bearing the flower heads.

Hops, with the Turning, and peas an with the clinging growth afford examples of those de ereeping plants which rear themselves upward by chinging to other objects

by and all many of creepers show this habit, too.

Freck plants, therefore do not regume support to help them to live and produce flowers and seeds, but their lesser, clinging bretheren must needs have for sup their lives on the charity of another species.

ilp6 cmil61

Astronomy.

Eleanor P. Hughes

Solar Eclipse in Spain, may 28" 1900. aprile form v The observer, M. Flammarion, the French astronomer was in Spain express by for the purpose of witnessing this phenomenen

He says that at the hour forecasted the sun was shining brightly. All was gay and living - the brids and animals busy and occupied, never suspecting the dread change about to take place. It was a hot sultry

Then a little shadow appeared on a corner of the sun's bright face this shadow grew and grew gradually spreading itself entirely over the suns face surface.

All became dark and cold ... the birds flew home to their nests the animals to their habitations ... there was a great Rush .... as of every one holding their breath ....

Where was the sun? Could that black disks, the flame torques surround ing it like some auful halo be the great lamp momentarily hidden from eight? Should we ever see the beautiful warm light again? Reople were, as the suggestion of the astronomer jazing at the strange spectacle through smoked glass. The thermometers dropped enddenly baticame out... and experiments with coloured cards we carried out regarding the sainton colours and estar effects.

At last the lense hush was broken ... the dark intruder slid away and the great sun was once more king of the sky - Life awake and all was as it had been before the shadow came.

2 We have learny by observances to discover somewhat of the substance of the moon and the other heavenly bodies; but is it possible to find out likewise the substances present in the sun?

The answer is 'yes', to a certain extent. During celipses is one valuable opportunity when the full radiance is not directed on our globe and during lunar eclipses when the it is even more possible.

Sun costs and their size and general aspect can be seen and by experiments astionomers can direct telescopes on the sun to find our the depth of the solar world

IIIp Tamelot 4 Astronomy. Nello Curinghame ques. The give some account, with a diagram, of the Leonids. ans. Every thirty - three years a great shower of meters takes place in November, these are called the Leonids because they proceed from the constellation of Leo, the Lion, this is one of the greatest showers o sometimes takes two years to eross the Earth's orbit, this was the case in 18 66, when it took five hours to cross the sky during one night, at this time it happened that the old world saw them, but the following year 18 %7 the New world saw them. Each time the shower crosses our track some of the mest meleon enter our atmosphere re May with us, so that the showers will become less brilliant. These meters have a great velocity which causes them to become white hot due to the friction, in spite of their heat many of them do not weigh a single grain. The shower appears to radiate from one point called the radiant, but this is not really the case it is only the sky which makes it seem that way. The efficiency of the friction is proportional to the square of the velocity.

In the Leonids are occassionally seen fireballs,

IIIpB cmc161 Astronomy. N. Cuninghame. these appear like a Streek of Lightening is as quickly disappear, occassionally gragments break away from the meteors, a these form shooting ques. I Describe the eclipse of the moon that occurred this nearly so well as the relipse of the sun on April 9th, At first the shadow began on the s. W. side, the sky was then quite clear, but as the moon's face became less visible the sky was covered with broken clouds, and the moon was only seen occassionally. Luckily there was a fairly large gap in the clouds whilst the eclipse was at its greatest, and then only the tatter half of the moon was seen in the form of a tree crescent. This eclipse lasted from to nine to televen p. m. At other places it was observed more clearly. It was occurred on october 16th ( drapampru) drop

TILP 9 cmells 4 29 Clisatrih Howard.

Botronomy (continued). The (17 12. VI)

al has seen been found by a search in the old records that beplune has been observed several times before, but its identity had never been suspected before, as it boked even to the most sowerful beleseopes the a star of about the sixth magnitude.

Q What is the nature of a comst! Describe two famous comets.

A The comple are the class of thewanty bodies of which least is known: lay belong to our system & are dependent on The same all'action: There are low times those which are benistie, That is to say return in a fixed number of years, a Those which are bassing visitors. In the early days comple were regarded with a subsersi dion Skad Plair coming was thought to presage Tetrible calamities but it has been known otherwise for agres: Little is known either concerning bein movements of their conditions: it is known that the beriodic remals move in a very alongalad ellipse, he movements of her obers are nothnoun: neither ear he weight of a comel be saged by any known measure, he comels bring so very light in comparaison to the other extended bodies: a earthin amount is known of comets by means of spectrum analyses, The stackrums go from 120 to vistal, & contain many lings the same as Those of the sun: comets are in a state of extreme tenuity, what they are so very insubstitute Their it makes no difference to the slaw basis actross even la breplast bard haroly males any visible difference. Comple are composed of a bright part of nection nucleous & generally of a bail but as each some varies & even he same complehanges from Day to Day it is into onsible to recognize than by their lostes, of even describe them. Soma comela hour no bail, a some spacefielly none, but every come had has one always has it facine away from the

sur; as The conel approaches the laid increases in size & splandows as it reades ha Tail also decrases: This is probably on account of the tack that The sun has a rebillant inturner on the matter which goes to form The tail: There are three Softed and forms of Tails, one That is almost strought with the comed, one that envire slightly, & one more so: Mass are probably introgen, & hydrocarton, one const have have more chan one call, in Deed many have been seen with two some with more. as the could with draws from the sim the lail is no longer repelled, it Dareton cross, but as he comet can not hour sufficient attraction powers this tail is lost, this after a live all The laid making in algred of the court may be lost a given ha whose earl may egass to exist. The course of a conal may be seriously inturnered by the allocation bows of the planets, it is probably through these pour that many of the believie comets hour begin caused, by bring allraded so martisoly That They have gone into an ellupse like orm of course. One of the train comals is their called extent Hallage he did not observe it or the first line, but it was he who ound out ar nature of its course, a presider its return in 18 grans: as this time orwinger his calculations were revised a a margin of a year given for variations, it was at the beginning of Their year that it dis at last appear, This also shows another brunch of mathematics in astronomy; the court last appeared in 1910, it is thought to be the same as that in the Bayeux labestry. Enchas comed, is literuse well known, it loo is periodic, same in in it's course very close to by eveny, & attending to about The line of I upitar's course it repeals this every three years: it was thought it would be possible by means of this to weigh by every but owing to the very light weight of the conal it is most Sittient l'es que anything exact: During several years la course of lies conal breams more 2 more rapidal & llaw 3lowed ones more it is suppost That the comed mal the bull of a swarm of mateurs in its evers of or some such this invisible to us on The earth.

Special Stroy This town. illp 11 cmd61 M. M/122 The Day special study This term: Scrutching third. Scratching brids are elightly different in structure to tree brids. Their wings are short and elumsy, their feet longer, and their bills are very weak. All their food is got by scratching for grain and insects in the ground. Their nests are built on the ground, or, more eften are just a scrape in the ground, into which eggs are put. Unlike young tree birds, the young scratchers come out fully fledged, and even run about with their mother. The Bestrudges young have much to fear from, eats. weasels and eloats, so it is very necess ary, to be able to run about. There are Scratching birds all over the world. guina, Down in america, Ostrichesin africa, Spurred Peacocks in India, and Quails and Ptermigaons from australia to England. all these birds are coloured like their eurrous dings, which makes it eschemely

illp 12 gmilles the heyo. difficult to see them. many, including The Ostrich bury their eggs in the sand. Some just lay their eggs and leave them. The Brush Turkey is very eurious. It makes a huge heap of rubbish, sometimes & ft high and 20 ft long. Then every ten days it lays a huge egg standing upright. hime or ten are, laid, and then she leaves them. The young are fully fledged and look after themselves. This bird lives in australia. Pigeons are scratching brids, but higher in the scale. I key build nests in the trees; though they are badly made, and often an egg falls out. They are good flyers, especially The Passenger Digeon which flees for (thousands of miles. The young are fed out of the parents mouth, which has two glands, which make the food soft for the young.

III p 13 cmclol Elemente Zelove D.B. (13. III) ( Elementer Lehrol) I How would you recognize a norman building and describe one H. There had been little building in style before William the bonqueror came with normans. In the century from 1066-1889, most of our beautiful cathedrals and churches were built. One of the oldest and most perfect examples of the pure norman may be seen in the beautiful chapel in the Tower of London. and another in the church of fr. Bartholomew in great at Smithfield near hondon. The features are very marked, you could necognize a member of the family anywhere by its, a thick Walls, 12 small windows (3) much decorated (4) Deeply recessed doors (5) Huge piers and pillars, and (b) evaporhere the round carch. areades are everywhere they cover the walls inside, and out, blind arcades, and narrow interlacing arcades. For example Skibo bastle, Sutherlandshire, it bristles with battlements and loop holes. and lowers, round windows and areadle, and the people a dore when.